

**ENDOVASCULAR PROSTHETIC DEVICES HAVING HOOK AND LOOP
STRUCTURES**

ABSTRACT OF THE DISCLOSURE

Endovascular prostheses and methods for their use are disclosed. The prostheses include an endovascular member in need of repair and a patch therefore, as well as prostheses comprising two or more endovascular members, such as stent-grafts, which may be assembled *in situ*. Components of the prostheses are held together in substantially fluid tight engagement as the result of hook and loop structures which are present on the members. The hooks engage the loops to secure the components to one another. As a result, the present invention is particularly useful for the *in situ* repair of damaged prostheses and for the *in situ* assembly of bifurcated endovascular prostheses, particularly for the treatment of abdominal aortic aneurysms.